

Electrostatic Sensitive Discharge (ESDS) – 1 Day

Introduction

The primary goal of this training is to focus your understanding on the requirements of the organization to manage effectively Electrostatic Discharge Sensitive components and devices.

The age of electronics brought with it new problems associated with static electricity and electrostatic discharge.

As electronic devices became faster and smaller, their sensitivity to ESDS increased.

Today ESDS impacts productivity and product reliability in virtually every aspect of today's electronics environment.

Who is this course for?

Electrostatic Discharge Sensitive (ESDS) Training is essential for all aviation avionics personnel, as well as anyone in the supply chain with responsibility to handle ESDS Parts and packaging materials

What is the Benefit of this Training – What will I learn?

The primary goal of this training is to focus your understanding on the requirements of the organisation to manage effectively Electrostatic Discharge Sensitive components and devices.

- a) How to Assess ESDS Compliance
- b) Be able to Create ESDS Procedures
- c) Manage & Control ESDS Packaging Materials
- d) Understand the use of ESDS Testing Equipment and Verification Procedures

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Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

Detailed Content / Topics - The following Subjects will be addressed

- Introduction
- More About Static
- What is ESDS - Definition and causes of ESD occurrences

Differences between Electro Static Discharge (ESD) and Electrical Over-Stress (EOS)

ESD Failure Conditions

ESD Identification

ESD prevention and control within the Facility

- Grounding and Bonding system,
- Personal Grounding,
- Packaging Plan & Packaging
- Marking

Materials and equipment used in the ESD protection system

- Air ionizer
- ESD Table mat
- ESD flooring
- ESD chair
- ESD Clothing
- Wrist Strap & Wrist strap and workstation monitor

ESD Design and General Principles - Grounding - Shielding & Charge prevention

- Storage Conditions Regulatory Requirements
- Handling of ESDS Devices
- ESDS Work Stations
- ESDS Procedures
- ESDS The Current Position
- Summary
- Testing

Target Groups

This course will be of significant benefit to people working on handling of Electronic components to ensure that damage does not occur from mishandling of the component.

Pre-Requisites

A background in an aviation environment is an advantage although not essential.

Learning Objectives

By the end of this course, delegates will be able to deliver effective management Electrostatic Discharge Sensitive components and devices

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What do People Say about Sofema Aviation Services Training?

"This training offers very good explanations of difficult topics."
"All aspect were useful, the examples were great."
"This training helped me to develop some new skills."
"The instructor is very resourceful and intelligent."
"Having a visual material helps a lot the learning process."

Certificate Wording

Introduction to ESDS, Assessing ESDS Compliance, Storage Conditions, ESDS Identification, Handling ESDS, ESDS Procedures, Failure condition Considerations, Testing Equipment & Verification Procedures, Manage & Control ESDS Packaging Materials

Duration

1 day – Start at 09.00 and finish at 17.00 with appropriate refreshment breaks.

To register for this training, please email team@sassofia.com or Call +359 28210806



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